## CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

## **NEW COURSE PROPOSAL**

PROGRAM AREASBIOLOGICAL AND PHYSICAL SCIENCES, MATH AND COMPUTER SCIENCE	
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1.	including prerequisites and corequisites	. If any of the followime distribution (Lect	ving apply, ure hou	, full title, and units. Provide a course narrative include in the description: Repeatability (May be ers, laboratory hours); non-traditional grading		
Pre Toj dat		tructure definition, dat manipulation of the sc	hema; eleme	mantics of relations, and operation on data models; nts of implementation.; algebra of relations on a protection and integrity of databases.		
2.	Mode of Instruction.					
		Ho Units	ours per Unit	Benchmark Enrollment		
	Lecture	3	_1	24		
	Seminar					
	Laboratory					
	Activity					
3.	3. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) [Use as much space as necessary] The course is a required course for Computer Science majors according to accreditation guidelines.					
2. F 3. C 4. A 5. Ir 6. Id	Through this course, students will be a dentify the components of a database system represent information in the form of tables, reconstruct Entity Relation diagrams.  Analyze and implement basic sql queries. Integrate a database with a programming landentify and represent system constraints. Organize and express ideas clearly and	m. ecords, and fields. guage.	and written	forms.		
	This course is not designed to satisfy t	he University Writin	g or Langua	age requirements.		
4.	Is this a General Education Course	YES	<u>NO</u>			
	If Yes, indicate GE category:			1		
	A (English Language, Communication,	Critical Thinking)				
	B (Mathematics & Sciences)	G 14				
	C (Fine Arts, Literature, Languages &	Cultures)				

- 5. Course Content in Outline Form. [Be as brief as possible, but use as much space as necessary]
- 1. Components of a Database System.

D (Social Perspectives)

E (Human Psychological and Physiological Perspectives)

6.	Ref	<b>ferences.</b> [Provide 3 - 5 references on which this course is based and/or support it.]				
	Fui	ndamentals of Database Systems, Ramez Elmasri , Addison Wesley, 2002, 0-201-74153-9				
7.	Lis	st Faculty Qualified to Teach This Course.				
	All	Computer Science faculty.				
8.	Fre	equency.  Projected semesters to be offered: FallX Spring _X SummerX				
9.	. New Resources Required.					
	a.	Computer (data processing), audio visual, broadcasting needs, other equipment				
		Use of existing computer lab.				
	b.	Library needs				
		none				
	c.	Facility/space needs				
		none				
10.	O. Consultation.  Attach consultation sheet from all program areas, Library, and others (if necessary)					
11.	If th	his new course will alter any degree, credential, certificate, or minor in your program, attach a program modification				
Pro	pos	er of Course Date				

Representation of Constraints.
 Tables, Records and Fields.
 Integrity Constraints.
 Entity Relation (ER) Diagrams.
 Table Unions and Joins.